SC-1223-K

7.2-Channel AV Receiver Featuring Class D³ (Direct Energy HD) Amplifier, Hi-bit24 Audio Signal Processing, Ultra HD (4K) Upscaling/Pass-Through, and HTC Connect™ Certification

Amplification

- Channels: 7
- **Amplification Type: Class D³ (Direct Energy HD)**
- **560 W Multi ch Simultaneous Drive (8 ohms, 1 kHz, 1 %)**
- **180 W/ch (4 ohms, 1 kHz, 1 %, 2 ch Driven)**
- **150 W/ch (6 ohms, 1 kHz, 1 %, 2 ch Driven)**
- **120 W/ch (8 ohms, 1 kHz, 0.08 %, 2 ch Driven FTC)**

Construction Design

- **Advanced Direct Construction**

Audio Features

- Dolby® TrueHD/Dolby Pro Logic® IIz/Dolby Digital® Plus
- DTS-HD® Master Audio/DTS-ES/DTS Neo:X/7.1
- DSD Music File Playback via USB (2.8 MHz)
- DSD Disc (SACD) Playback via HDMI (2.8 MHz)
- Digital Core Engine with Texas Instruments Aureus® DSP
- Hi-bit24 Audio Signal Processing
- 192 kHz/24-bit DAC
- HDMI® Audio Return Channel
- Pioneer Advanced MCACC® Room Calibration
  - 3D Time Axis Measurement
  - Polarity Check
  - Automatic Crossover Detection
  - Reverb Before and After Calibration Results (OSD or AVNavigator)
  - Standing Wave Control
- Pioneer Sound Enhancements
  - Phase Control/Auto Phase Control Plus
  - PQLS Bit-stream/Multi-Surround/2 ch Audio
  - Jitter Reduction
  - Auto Sound Retriever/Auto Sound Retriever for ARC/Advanced Sound Retriever
  - Sound Retriever Link
  - Auto Level Control (Multi-Channel)
  - Virtual Speakers (Wide/Height/Surround Back)
  - Virtual Depth
- Advanced Surround Modes
  - Action, Drama, Advanced Game, Sports, Classical, Rock/Pop
  - Front Stage Surround, Extended Stereo
  - Phones Surround
  - ECO Mode 1, ECO Mode 2
- Input Volume Absorber

Video Features

- HDMI 8 in/2 out
- Android™ Audio/Video Playback with MHL®
- Ultra HD (4K) Upscaling and Pass-Through
- 1080p/24fps Scaler with Qdeo®
- 3D Ready (Blu-ray Disc™, Broadcast and Games)
- Deep Color (36-bit) and x.v.Color
- Triple HD Noise Reduction
- Advanced Video Adjustment
- Stream Smoother/Stream Smoother Link
- Frame Rate Conversion (60i/p to 24p)

Home Network Features

- AirPlay® Wireless Audio
- DLNA Certified® (1.5)
- HTC Connect Certified
- Compatible with Windows® 8
- Music File Playback via LAN/USB (AIFF, Apple Lossless, WAV, FLAC, MP3, WMA, AAC, DSD*1)
  - 192 kHz/24-Bit Audio playback (AIFF, WAV, FLAC)
- Gapless Playback for AIFF, Apple Lossless, WAV, and FLAC
- Pandora® Internet Radio*2
- Internet Radio with vTuner®

Convenience Features

- Digital Audio from iPod®, iPhone®, iPad® via USB
- Android MHL 3D/Full-HD/Charge
- iControlAV2013 Remote Control App Ready (iOS/Android)**
  - AV Receiver and Blu-ray Disc Player Control from Smart Device
- Air Jam App*3 Ready (iOS and Android OS) (optional AS-BT200 adapter required)
- Wireless LAN Converter Ready (Optional AS-WL300 required)
- Firmware Upgrade via Internet or USB
- AVNavigator for Easy Wiring and Setup with PC, Mac and iPad
- Graphical User Interface (GUI) with Album Artwork (HDMI only)
- Auto Power Down for Each Zone
- Power Save for HDMI Standby Through
- AM/FM Tuner 63 Presets
- Sleep Timer
- Learning Remote Control (Luminous)

*1 USB only
*2 Pandora only available in the U.S.
*3 Available at no charge from the iTunes App Store and Google Play
Bold denotes step-up features from VSX-1123-K

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Connection

Rear Panel

Front Panel Terminals

Power Specifications

- Power Requirements: AC 120 V 60 Hz
- Power Consumption/Standby with HDMI Control off: 260 W/0.1 W

Product Specifications

- W x H x D: 17.13 x 7.31 x 15.56 (inches)
- Weight: 25.75 lbs.

Carton Specifications

- W x H x D: 20.08 x 11.06 x 18.39 (inches)
- Weight: 29.76 lbs.

UPC

- 884938210706

Integrated Technologies

AirPlay

Made for iPod iPhone iPad

DOLBY TRUEHD PRO LOGIC IIz

dts-HD Master Audio

dts Neo:X | 7.1

HDMI

MHL

htc connect™

dlna CERTIFIED

Windows 8 Compatible

PANDORA U.S.A. only./États-Unis seulement.

vTuner

MCACC advanced

AUTO SOUND RETRIEVER / AIR

SOUND RETRIEVER LINK

Auto Level Control

Direct Energy HD AMP

Surround Modes

Virtual Speakers

PQLS Bit-stream

Auto Phase Control Plus

Hi-bit 24 Processing

3D Compatible

4K Ultra HD Upscaling

4K Ultra HD Pass-through

Internet Radio

DMR

HDMI Standby Through

iControlAV2013

AVNavigator

Air Jam

ECO Mode

Rear Terminals

- HDMI 7 In (6 assignable)/2 Out (1 for Main/HDZONE)
- Ethernet 1 In
- AV (Composite) 3 In
- Audio 1 In (assignable)
- Digital Coaxial 2 In (assignable)
- Digital Optical 2 In (assignable)
- Component Video 2 In (assignable)
- Monitor Component 1 Out/Monitor Composite 1 Out
- Preout 2.1 ch (2.2 ch terminals)
- Speaker 9 ch Out (SB/FH/FW/B/Bi-Amp/ZONE 2 assignable)
- Bluetooth Adapter Port for AS-BT200
- USB Charge Port for Optional AS-WL300 Wireless Converter
- IR 1 In/1 Out

Front Terminals

- HDMI/MHL 1 In (assignable)
- USB/iPod Video In
- MCACC Setup Mic In
- Phones 1 Out (shown on front page)

Zone Features

- HDZONE for Audio and Video
- ZONE 2 AV (Composite) and Volume

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The impedances indicated are actual values that speakers can present to an amplifier while playing back music. They do not refer to the nominal rated impedances of speakers you use.

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For details on iPod compatibility, visit http://pioneer.jp/homeav/support/ios/na/

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